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²¹ ²⁰
~~61.~~ The device of claim ~~60~~, wherein said second waveguide is positioned vertically on top of said first waveguide.

²² ¹⁵
~~62.~~ The device of claim ~~55~~, further comprising a substrate.

²³ ¹⁵
~~63.~~ The device of claim ~~55~~, wherein said device comprises a laser.

²⁴ ²³
~~64.~~ The device of claim ~~63~~, wherein said laser comprises at least one quantum well.

²⁵ ¹⁵
~~65.~~ The device of claim ~~55~~, wherein at least one of said first waveguide and said second waveguide comprise a grating for reflecting selected frequencies of light.

²⁶ ¹⁵
~~66.~~ The device of claim ~~55~~, wherein said device comprises at least one of the following: an optical amplifier and an optical detector.

²⁷ ¹⁵
~~67.~~ The device of claim ~~55~~, wherein said device is a photonic integrated circuit.

REMARKS

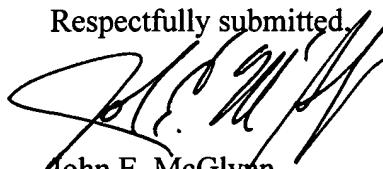
The purpose of this amendment is to place the application claims in condition for examination.

An expedient and favorable first office action is respectfully solicited.

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PATENT

Respectfully submitted,



John E. McGlynn
Registration No. 42,863

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WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia, PA 19103
(215) 568-3100

WOODCOCK WASHBURN LLP